

**2014
UTAH BOARD OF OIL, GAS AND MINING
EARTH DAY AWARDS**

Nomination Form

Nominee Information

Company Name: QEP Energy Company
Address: 11002 East 17500 South
City, State, Zip: Vernal, UT 84078
Contact Person: Ryan Angus, Operations Engineer
Phone: 435.781.4319
Site Name: RW 23-23B PAD
Location: Red Wash Field

Activity and Category (Please check one activity and one category)

Activity

- **Oil and Gas**
- Minerals
- Coal

Category

- Environmental improvement to an active mine site, drilling or recovery site, or field
- **Outstanding results following applications of innovative environmental technology**
- Outstanding final reclamation or site restoration
- Best practices
- Other _____

Nominated By

Name: Lynn Welker
Address: 1050 17th St, Ste. 500
City, State, Zip: Denver, CO 80265
Phone: 303.775.0790

Nomination Summary (attach additional sheets, photos, etc., as necessary)

Please find nomination summary and photos attached.

Return no later than January 31, 2014 to: Earth Day Awards, Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801. Salt Lake City, Utah 84114-5801. Phone (801) 538-5324 Fax (801) 359-3940. Nominations may also be submitted electronically, email to jimspringer@utah.gov



QEP Resources, Inc.

Utah Board of Oil, Gas and Mining

2014 Earth Day Awards

Nomination Summary

January 31, 2014

Summary

QEP Resources, Inc. is an independent energy company focused on the exploration, production, gathering, processing and marketing of natural gas, natural gas liquids and crude oil in the continental United States. Our corporate heritage, which spans nearly a century, reflects a long-term commitment to creating value for our shareholders, exceptional opportunities for our employees and economic benefits for the communities in which we operate. QEP operates three wholly-owned subsidiaries: QEP Energy, QEP Field Services and QEP Marketing. Headquartered in Denver, QEP employs more than 900 people in eight states (43 in Salt Lake City and 126 in Red Wash/Vernal) and is an S&P 500 member company.

Zero Emission Liquids Transfer System

QEP Energy Company (QEPE) began developing the Red Wash Lower Mesa Verde formation in 2008. In 2010 QEPE began electrifying the individual well pads and reduced emissions by eliminating the pneumatic pumps on location. In 2013 QEPE turned on our first multi well pad in the program. This 32 well pad was designed to be an emission-less location utilizing no emissions completions, bulk separation, electrification and liquids gathering to nearly eliminate emissions on the pad.

With 16 producing wells (two groups of eight wells called pods) on the pad, no trucking has been used to move frac water to the pad, or produced liquids (water and condensate) from the pad. Water for fracing was piped from QEPE's fresh water pipeline to the pad. Flow back water was transported to the Central Processing Facility (CPF) through the liquids gathering system, utilizing well head pressure and pumps. Liquids produced from the wells are transported from the production separators to the CPF using the liquid transfer system. All pumps on location are electric motors with VFD's on the larger motors to reduce the strain on the electric grid and to maximize pump efficiencies to move produced liquids into the liquids gathering system.

The liquid transfer system is a fully contained pressurized system that utilizes a pressure vessel (liquid surge) and transfer pumps. This system utilizes instrument air for pneumatics and eliminates the VOC emissions caused by "flashing" the condensate in an atmospheric tank. The pressurized liquids are pumped directly from the surge vessel into the liquids pipeline to the CPF.

The future development of Red Wash and the growing concerns over air quality necessitated a re-design of current production practices in the Basin. QEPE dedicated countless man hours and put forth extra effort to plan and construct the Red Wash pad development program such that the pads will be nearly emission-less locations and eliminate truck traffic emissions for product transportation.

QEPE has been and will continue to be a leader in environmental awareness and stewardship by advancing completions, facility design and engineering to reduce emissions. Thank you for considering our nomination.













